A. BERLESE

ACARI, MYRIOPODA ET SCORPIONES
HUCUSQUE IN ITALIA REPERTA

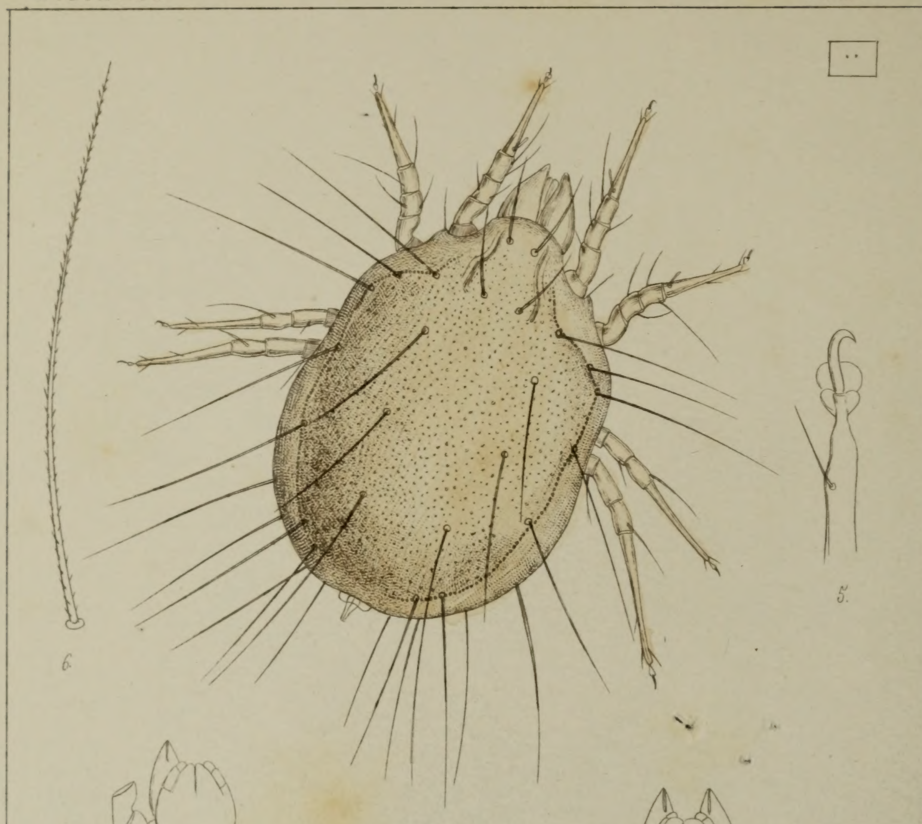
ACARI, MIRIAPODI E SCORPIONI
ITALIANI

OPERA SUSSIDIATA DAL R. MINISTERO DELLA PUBBLICA ISTRUZIONE
DIETRO IL PARERE DEL CONSIGLIO SUPERIORE
E DISTINTA CON MEDAGLIA DI BRONZO ALL'ESPOSIZIONE ITALIANA
DI TORINO 1884.

FASCICOLO LXV. complete

PADOVA
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A. Berlese dis. inc. dip.

1

GLYCYPHAGUS PEREGRINANS B. N. SP.

Glycyphagus peregrinans Berl. n. sp.

Gl. *albidus, latiusculus; dermate verruculoso, pedum uncis perconspicuis, setis omnibus abdominis latitudine curtioribus, fœminæ abdomine postice mucronato. Ad 450 μ. long. (mas); 500 μ. fœm.*

Habitat. *Plures mares fœminasque inveni super* Xylocopam violaceam, *cum* Trichodactyli xylocopæ *hypopo, Patavii, Venetiis, Florentiæ et ad Neapolim*

Obs. Corpus latiusculum, posterius rotundatum et præcipue in fœminis vix bilobum. Derma totum dorsi (4) verruculis conicis, subspiniformibus, crebris verruculatum. Dorsi margines laterales linea verruculis densioribus constituta et marginibus parallela aucti. Venter dermate striato. Setulæ corporis longiusculæ, sed abdominis latitudinem non superantes, utrinque tres humerales, quatuor marginales, nec non quatuor posticæ; antice utrinque duæ. Omnes setulæ (6) vix plumosulæ.

Pedes curtiusculi, tarsis curtis, ambulacro (5 membranaceo maiori, ungue perconspicuo.

Mas (1) fœmina vix minor, pene e rima, inter pedum primi et secundi paris epimera aperta, exsertili. Abdomine postice inermi.

Fœmina (3) vulva totum sternum occupanti, ano ad marginem posticum aperto, et supra anum stylo quo-

dam chitineo aucta, super quod membranula hyalina quasi tectum extensa conspicitur.

Expl. tab. 2 maris pars antica supina, 3. fœmina supina, 7. fœminæ abdomen posticum superne visum, 8. idem aliæ fœminæ.



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2

PTERONYSSUS FUSCUS (NZS.) TROUESS. 65

Fasc. LXV, N. 2.

Pteronyssus fuscus (Nitzsch) Trouess.

Nitzsch, Ersch. u. Grub, Encycl., I, p. 252 (*Analges fuscus*).

Giebel, Zeitsch. v. Halle 1870, p. 493 (*Analges fuscus*).

Buchholz, Nova Acta Leop. 1877, p 30, Taf. III, fig. 17, 18 (*Dermaleichus Haliæti*).

Haller, Weitere Beitr. z. Kenntn. Dermaleich. p. 520, Tab. XXXIII (*Dimorphus Haliæti*).

Trouessart, Note sur la Classif. des Analges. p. 22.

Pt *testaceus, subfuligineo varius*; *mas longe subovatus, postice minus profunde incisus, lobulis subrotundato-serrulatis, trisetis*, *pedibus tertii paris abdominis apicem tarso extremo attingentibus. Ad 1,200 μ. mas. long. fœm. 900 μ. long.*

Habitat *in Pandione Haliæto.* (*Collegit Venetiis excellentissimus A. P. Ninni*).

Obs. Inter congeneres maximus. Totius corporis color testaceus, epimeris, scutis pedibusque fuligineis. Epimera antica litteram Y simulantia.

Mas (1) Corpus elongatum, abdomine subovali-rectangulo. postice rotundato, nec non in lobulos duos inciso. Lobuli abdominales externe serrulatolobulati, interius apice acuti externe longe tripili. Penis inter quarti paris pedum coxas. Epimera tertia et quarta in medio

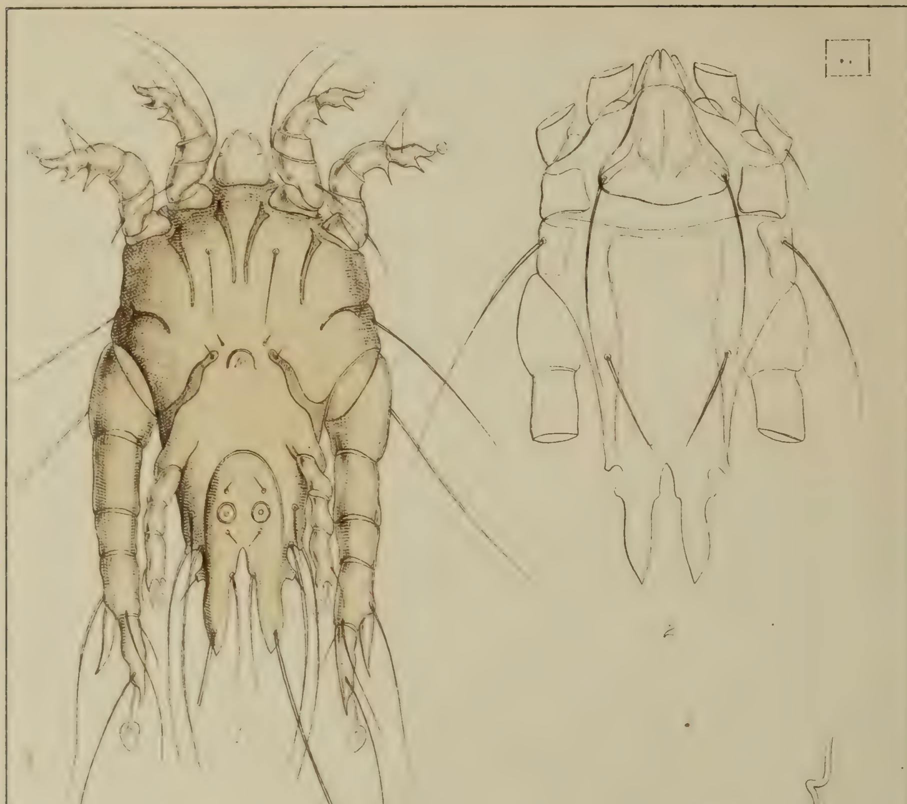
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sterno concurrentia et simul concreta. Pedes tertii paris tarsi apice, apicem abdominis, attingentes; genu interne in dentem robustum desinenti.

Fœmina (3) mari multo minor, elongata; dorso scuto antico trigono, postico subrectangulo postice bicorni, nec non apice abdominis scutulato.

Ovum (5) perlongum, latere altero membranula late marginato.

Expl. tab. 2. mas pronus, 4. fœmina prona.



[illegible] (K.) BERL. 63

Megninia oscinum (K.) Berl.

C. L. Koch. C. M. A. Deutschl. fasc. 33, fig. 14 et 15 (*Dermaleichus oscinum*).

Robin et Mégnin, Sarcoptid. plumicol. p. 508, tab. XXVIII, fig. 3 (*Analges oscinum*).

M. *pallens, pedibus epimerisque terreis. Mas abdomine posterius profunde inciso, marginibus utrinque sinuatis, bilobatis, membranulis chitineis, excepto, apice, destitutis. Ad 400 μ. mas, 350 μ. fæm. long.*

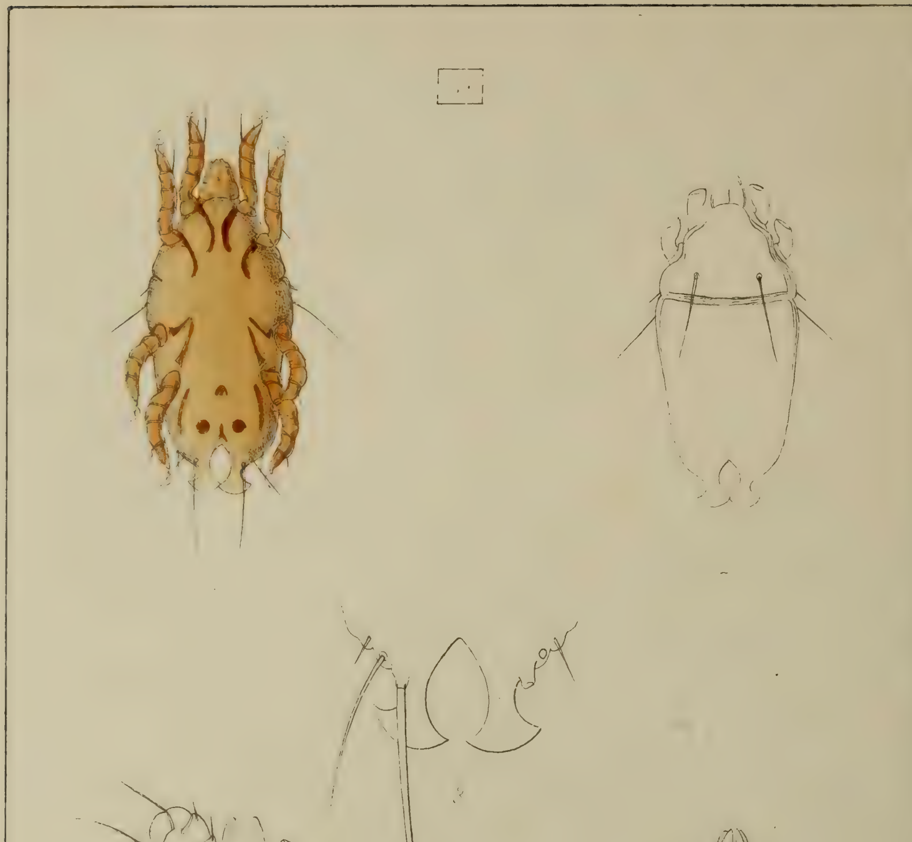
Habitat *in Ligurino Chlori.*

Obs. Pallens pedibus epimerisque terreis. Epimera antica inter sese discreta.

Mas (1) Pedes tertii paris ceteris longiores, dimidio abdominis apicem superantes. Tibia externe ad apicem calcari valido, dimidio tarso longiori aucta. Tarsus acuminatus, pilis styliformibus destitutus. Pedes quarti paris vix ad incisionem abdominis producti, tarso percurto, apice (5) tridentulato, tibiaque basi inflata. Abdomen posterius profunde bilobum, lobis extremis (sive interioribus) cultriformibus, membranaceis. Externe lobus quisque, mucronibus duobus longe piligeris augetur. Penis circine hippocrepeo minori anterius circumdatus

Fœmina (3) curta latiuscula, circine valvari hippocrepeo. dorso scuto subrectangulo, posterius bicorni protecto. Pedes antici in ambobus sexubus apophysi olechranica destituti. Cameræ lucidæ ope delin.

Expl. tab. 2. mas pronus, 4. maris lobus abdominis dexter amplior factus.



PTEROLICHUS SECURIGER ROB.

Pterolichus securiger Rob.

Robin et Mègnin, Sarcopt. plum. p. 406, tab. XXII, fig. 9.

G. Canestrini, Nuove specie del genere dermaleichus. p. 65, (*Dermaleichus paleatus*), *idem*, Acari parassiti p. 36.

Trouessart et Mègnin, Sarcopt. plum. p. 58.

G. Canestrini, Acarof. it. p. 266, tav. XX, fig. 7.

Pt. *testaceus; epimeris anticis seiunctis. Mas postice incisura lata bicorni, cornubus in membranulam securiformem terminatis. Ad 300 μ. long. (mas.).*

Habitat *cum Pt. cultrifero in Cypselo apodo.*

Obs. Epimera antica inter sese discreta. Color testaceus

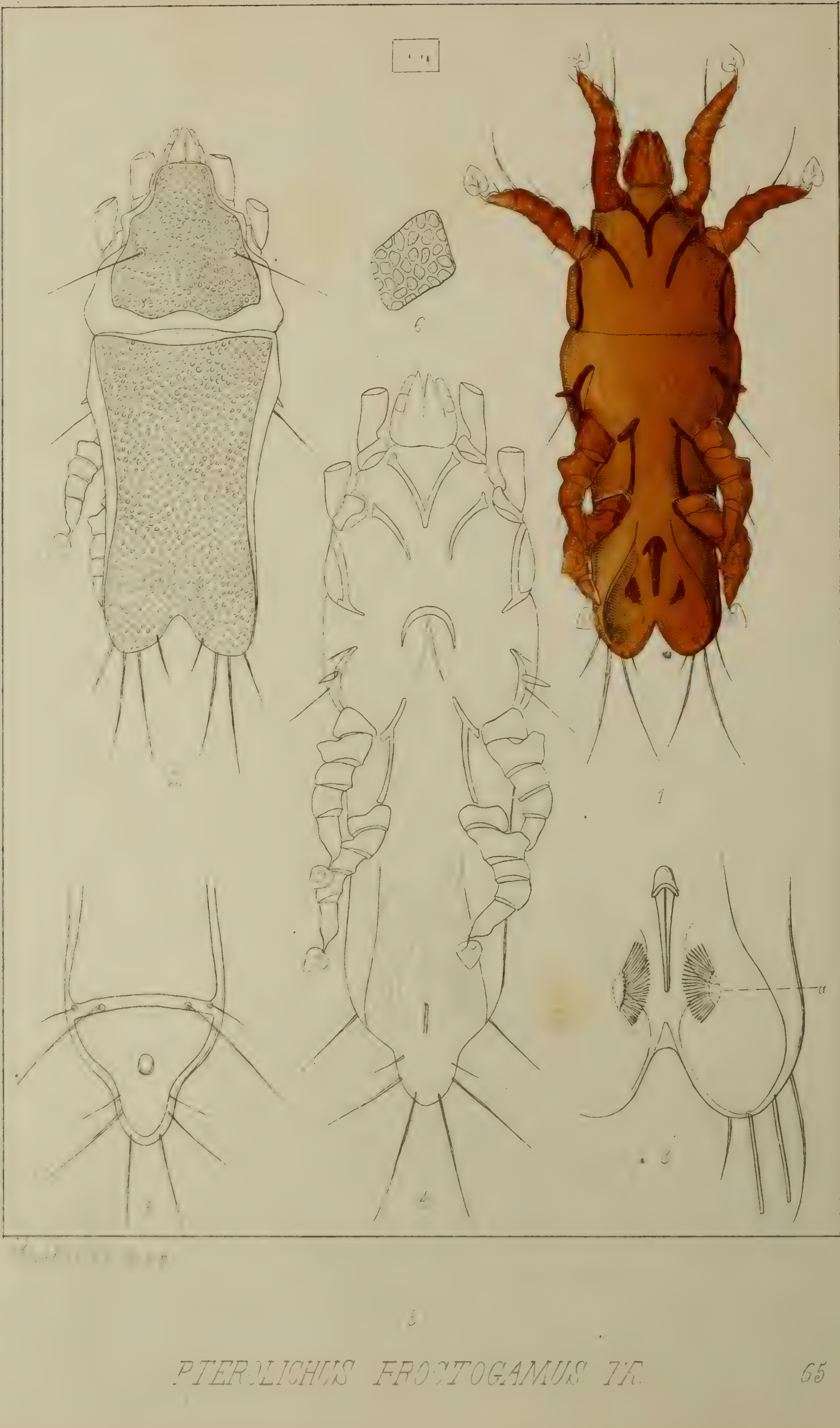
Mas (1) abdomine ovali, postice inciso, lobulis utriusque lateris in membranulam breviter securiformem terminatis. Inter laminulam hanc et marginem lateralem, utrinque setulæ duæ longæ, aliaque exterior minima conspiciuntur. Pedes postremi non abdominis apicem superantes.

Fœmina (4) ovalis, posterius vix incisa, quadriseta.

Cameræ lucidæ ope delineatus.

Expl. tab. 2. mas pronus, 3. abdominis appendiculæ securiformes, 5. fœmina prona.

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PTEROLICHUS PROCTOGAMUS TR. 65

Pterolichus proctogamus Trouess. et Mégn.

Trouessart et Mégnin, Sarcopt. plumicol. p. 49, fig. 11, *c*, *d*.
G. Canestrini, Acarofauna it. p. 262.

Pt. *rufo-badius; maris abdomine postico in lobulos duos rotundatos terminato, laminis hyalinis omnino destituto, fœminæ in mucronem rotundatum terminato. Ad 400 μ. mas long.; fœm. 600 μ. long.*

Habitat *in Fulicæ atræ plumis.*

Obs. Color scutulorum rufo-badius. Scuta omnia reticulata (6). Corpus elongatum, marginibus subparallelis. Ad pedes tertii paris utrinque in latere setula spinaque curta et robusta conspiciuntur. Epimera antica in Y concreta.

Mas (1) fœmina minor. Abdomen posterius in lobulos duos rotundatos apice setis quatuor, quarum duæ mediæ longiores, aliæ laterales curtiores, auctos, terminatum. Lobuli isti, membranulis hyalinis omnino destituti. Penis post quartos pedes insitus, longiusculus, inter disculos copulationis posterius porrectus, fere usque ad incisuram abdominis productus.

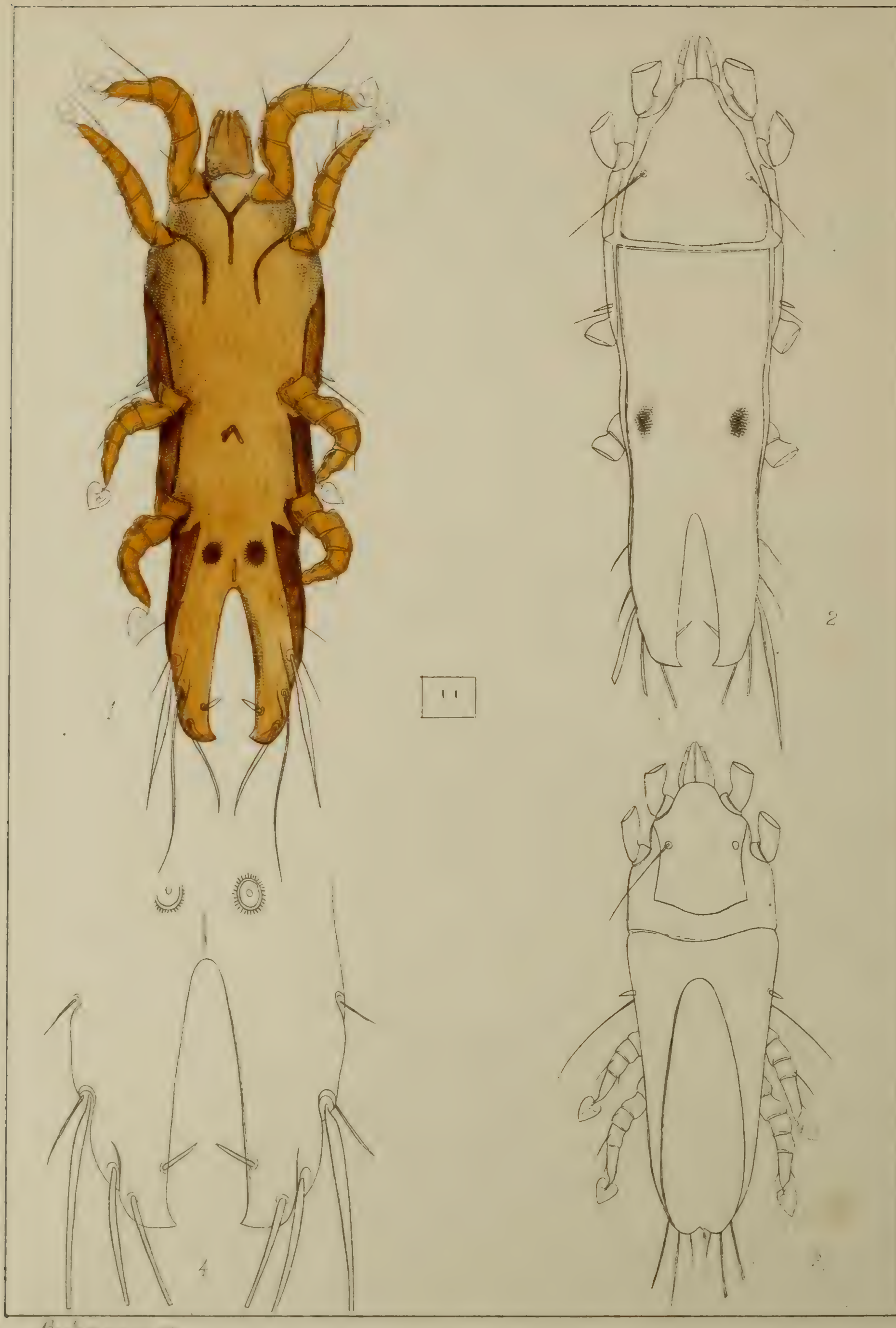
Fœmina (4) mari maior, dorso scutulis tribus protecto, quorum primum cephalothoracicum; medium in medio abdomine usque post quartos pedes productum; posticum cordiforme, extremum, abdomen occupans, in

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medio foro rotundato-ovali perforatum. Abdomen postice in mucronem obtusum utrinque longe bipilum terminatum.

Expl. tab. 2. Mas pronus, 3. eius extremum abdomen inferne visum; *a* disculi copulationis, 4. fœmina supina, 5. eiusdem pronæ extremum abdomen.



A. Berlese dis. inc. dir.

6

PTEROLICHUS RHEBERGI C. & B.

Pterolichus Rhebergi Can. et Berl.

Canestrini e Berlese, Nuovi acari ital. p. 146, tav. XIX. fig. 5-6.

Trouessart et Mégnin, Sarcopt. plum. p. 50.

G. Canestrini, Acarof. it. p. 263.

Pt. *testaceus, valde elongatus; maris abdomine postice profunde inciso, cornubus abdominis conicis truncatis, membranulis hyalinis destitutis. Ad 600 μ. (mas) long.*

Habitat *in Hæmatopi ostralegi plumis.*

Obs. Color testaceus, vel testaceo-badius. Corpus valde elongatum triplo et amplius longius quam latum, marginibus subparallelis. Ad pedes tertii paris utrinque in latere, setula spinaque curtula et robusta conspiciuntur. Epimera antica in *Y* concreta.

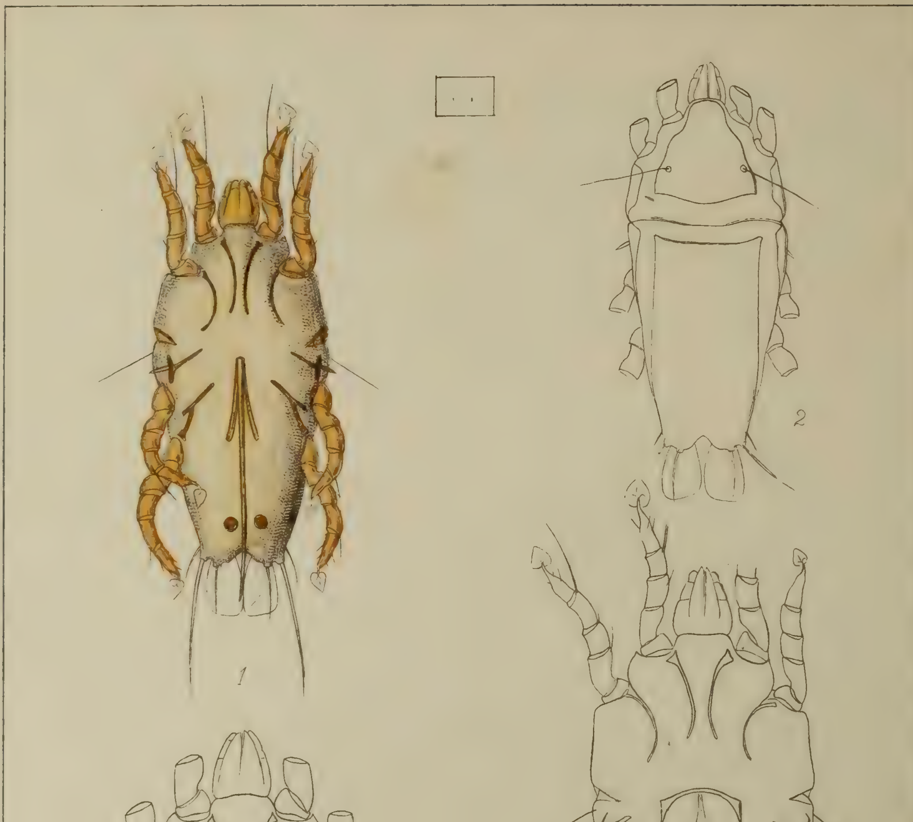
Mas 1. fœmina maior. Abdomen postice in cornua duo, longiora terminatum.

Cornu (4) quodque apice truncatum, neque membranula chitinea ulla marginatum, interne ad apicem spina minima, externe seta sub apicem minori, nec non setis duabus longioribus præditum. Penis vix post tertios pedes insitus, minimus.

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F œ m i n a (3) maris minor (nondum adulta), valde elongata, posterius leniter incisa. utroque lobulo triseto, setula interiori minima, ceteris longioribus Scutum dorsuale abdominis longe ovatum.

Expl. tab. 2. mas pronus, 3. fœmina prona, 4. cornua abdominis.



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7

PROCTOPHYLLODES GLANDARINUS (K.) ROB. 65.

Proctophyllodes glandarinus (K.) Rob. et Mégn.

C. L, Koch. C. M. A. Deutschl., fasc. 33, fig. 20,21 (*Dermaleichus glandarinus*).

Robin et Mégnin, Sarcopt. plum. p. 632, t. XXXVI, fig. 1-5.

G. Canestrini, Acari parassiti, p. 36, tav. IV, fig. 6.

Trouessart et Mégnin, Note; p. 77.

Pr. *pallescens, pedibus epimerisque vix roseis. Mas foliolis abdominalibus magnis, peni longiori, extremum abdomen apice superanti; disculis copulationis sexilibus. Ad 300 μ. long. (mas,) 380 (fœm. in copula) 600 μ. (fœmina caudata).*

Habitat *in passeraceis multo rarior quam Pr. Ampelidis.*

Obs. Margines corporis laterales, seta longiuscula et spina aucti. Epimera antica inter sese discreta.

Mas. (1) elongatulus, postice truncatus. Abdomen postice foliolis maioribus, nec non setis utrinque tribus, quarum media longior, præditum. Penis longior, cum dimidiam corporis longitudinem superet, inter quarti paris coxas insitus, primitus anterius directus usque ad tertii paris epimera, postea subito retrorsus directus, ultra

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abdomen productus et apice inter foliola desinens. Discula copulationis sexilia.

F œ m i n a c a u d a t a (4) elongata, stylis posticis longis, basi incrassatis, circine vulvari late semilunari.

Color pallens, pedibus scutulisque carneis.

Expl. tab. 2. mas pronus, 3. fœmina in coitu capta. Cameræ lucidæ ope delin.



8

PTEROCOLUS BIFURCATUS TR

Pterocolus bifurcatus Trouess.

Trouessart, Note sur la classification des analgés., p. 47.

Pt. *albidus, scutulis vix roseis. Mas cauda bifida, lobis inter sese valde approximatis, apice membranula cultriformi auctis. Fœmina bicauda, tuberculo omnino in membranula inter caudas destituta. Ad 550 μ. mas, 600 μ. fœm. long.*

Habitat *in Sylviarum plumis. Cl. Trouessart collegit in Calamodyta aquatica.*

Obs. Albidus; scutulis (præcipue postice) pedibus, rostroque carneis, scutis concoloribus. Margines ventrales ad tertii paris pedes, spina brevi et seta aucti.

Mas (1) cauda longa, stricta, bifida, lobis longis inter sese valde approximatis, apice membranulis sublanceolatis, marginibus integris acutis. Epimera antica inter sese discreta. Cauda setis sex ut in *Pt. appendiculato* prædita. Pedes quarti paris, ceteris curtiores apicem abdominis non attingentes. Pedes tertii paris disculorum lineam tarso attingentes. Penis minor, subsimplex. Scuta dorsualia marginibus integris.

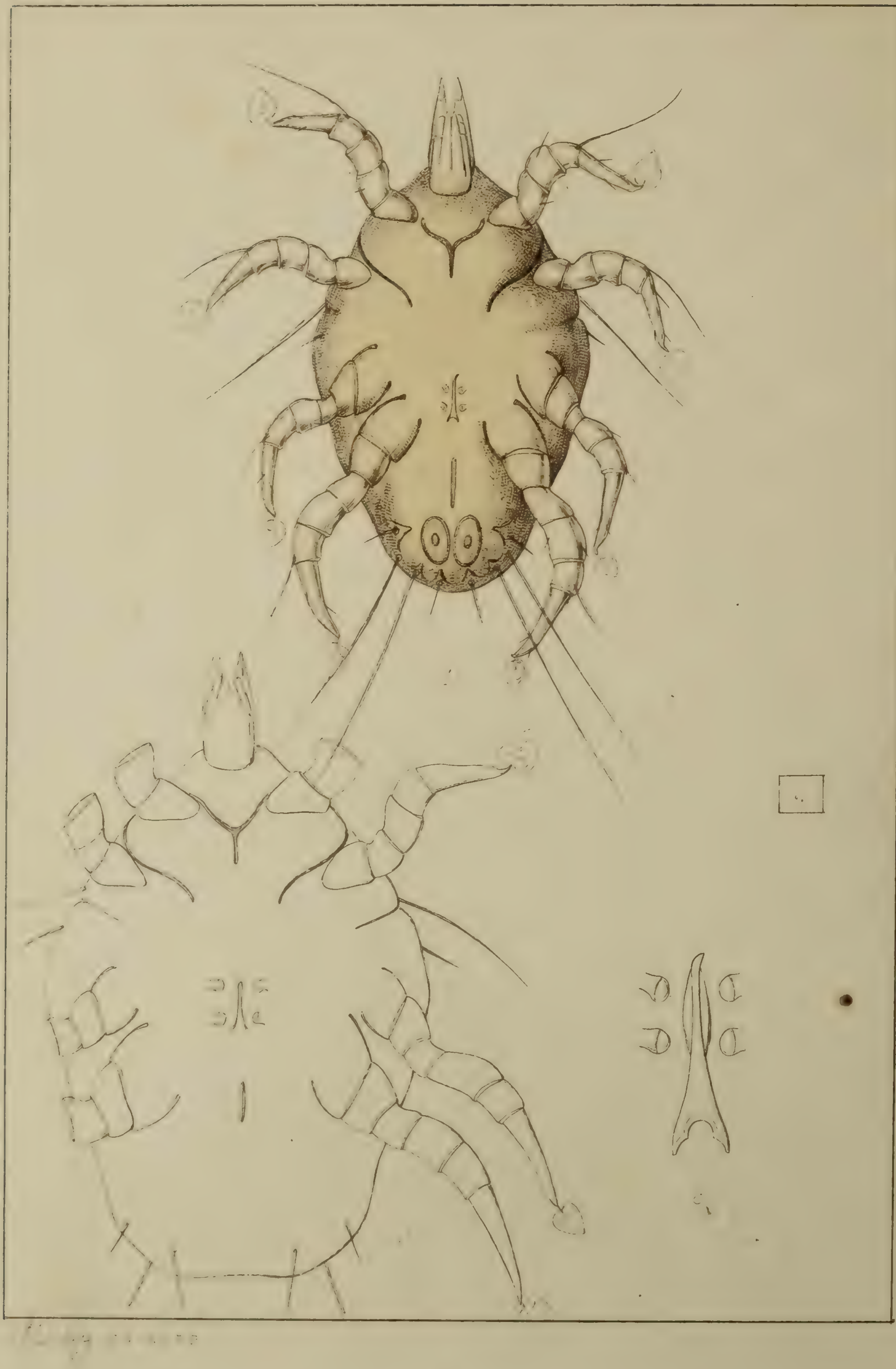
Fœmina (4-5) mari maior, postice bicauda. Caudæ apice membranula lanceolata circundatæ, in incisura in-

tercaudali, membranula hyalina distenditur, in qua nullus tuberculus chitineus inseritur.

Species *Pt. appendiculato* peraffinis. Differt tamen maris cauda strictiori, scutis dorsualibus abdominis minime lateraliter incisis, nec marginibus obscurioribus; denique fœminæ circine intercaudali nullo.

Expl. tab. 2. Mas pronus (minus amplific. quam figura 1), 3. maris cauda, 5. fœmina supina, 4. idem prona.

Cameræ lucidæ ope delin.



CANESTRINIA PROCRUSTI BERL 65

Fasc. LXV, N. 9.

Canestrinia Procrusti Berl.

A. Berlese Sopra un nuovo genere di acari, p 3, fig. 3.

C. *pallens; Mas fœminæ subsimilis, pedibus subæqualibus; abdomine posterius rotundato, setis quatuor longioribus quatuorque minimis aucto; peni minori recto. Mas 350 μ. long., fœm. 400 μ. long.*

Habitat. *Plura collegi exempla Patavii sub elytris Procrusti coriacei.*

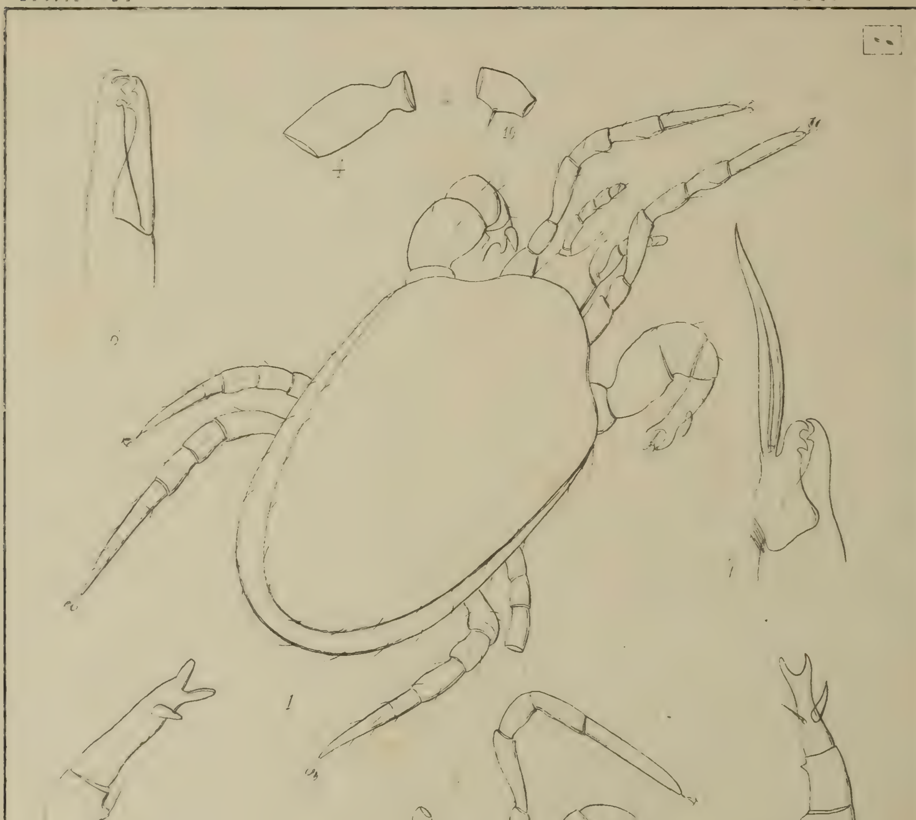
Obs. Corpus humeratum, fere duplo longius quam latum, sulco cephalothoracico conspicuo. Pedes omnes inter sese crassitie pares.

Mas (1) Abdomen posterius rotundatum, setis quatuor longioribus quatuorque minoribus conspicuis, setis humeralibus et scapularibus longis. Penis (3) rectus, subhyalinus, parvulus, inter quarti paris coxas insitus. Disculi copulationis perfecte ovales inter sese valde approximati.

Fœmina (2) postice late truncato-rotundata, setis quatuor longioribus prædita.

Differt a *C. dorcicola* præcipue pene recto, disculorum copulationis fabrica, abdomine posticæ rotundato, aliisque characteribus.

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PACHYLÆLAPS PECTINIFER VAR. SICULUS N. V.

Pachylælaps pectinifer (G. R. Can.) Berl.
var. siculus n. var.

A. Berlese, Acarofauna sicula p. 7, N. 24, (*Lælaps tetragonoides*).

Differt a typico, maris palporum (5) articulo pænultimo inferne tuberculo valido, conico spinisque aliquot aucto; pedibus secundi paris 3, in mari, femore calcari validiori, spathuliformi prædito; coxa quarti paris (4) femore inermi. Fœminæ secundi paris femore (8) valide tuberculato, genuque tuberculo aucto.

Habitat sub petris et in quisquiliis in Sicilia.

Expl. tab. 1 mas pronus, 2. fœmina prona, 6. fœminæ chela, 7. idem maris, 9. epistoma, 10. tertii et quarti paris genu in mari.

AVIS

Messieurs les souscripteurs sont avertis que le bureau de cet ouvrage est au présent transporté chez Mons. le Doct. Augusto Napoleone Berlese Prof. dans l'Ecole de Viticulture de *Avellino* (Napoletano-Italie).

Pour tout ce qui regarde l'administration et aussi bien pour le *payement* des fascicules 61-65, et de touts eux qui seront envoyés, messieurs les souscripteurs sont priés de bien vouloir s'adresser donc à M. le Prof. A. N. Berlese (*Avellino*).

Doct. ANTONIO BERLESE
Prof. dans l'Ecole Sup. d'Agricolture de Portici (Napoli)